

FIGURE 1  
(PRIOR ART)

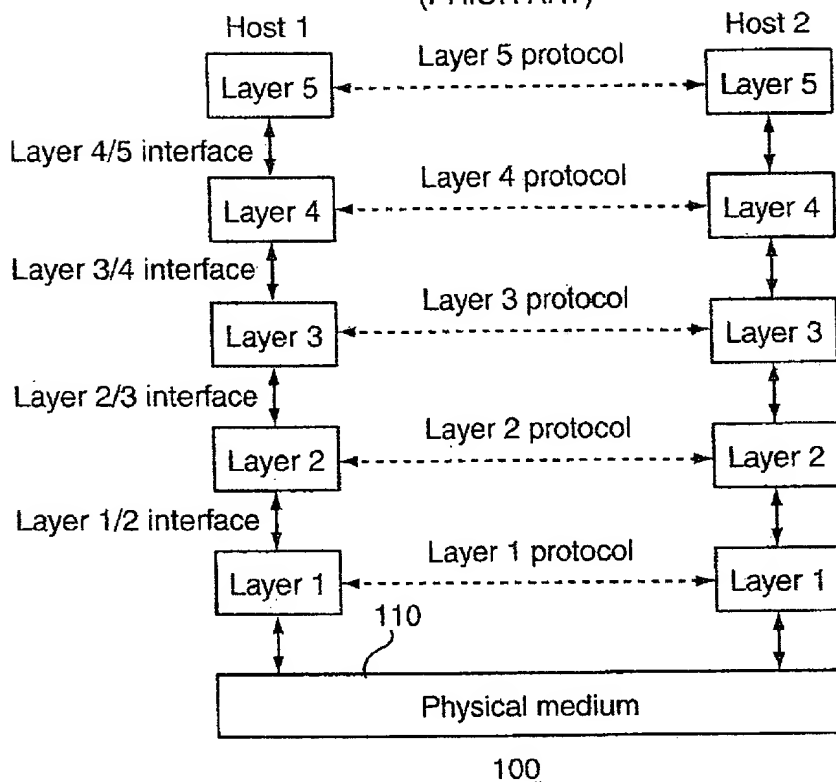
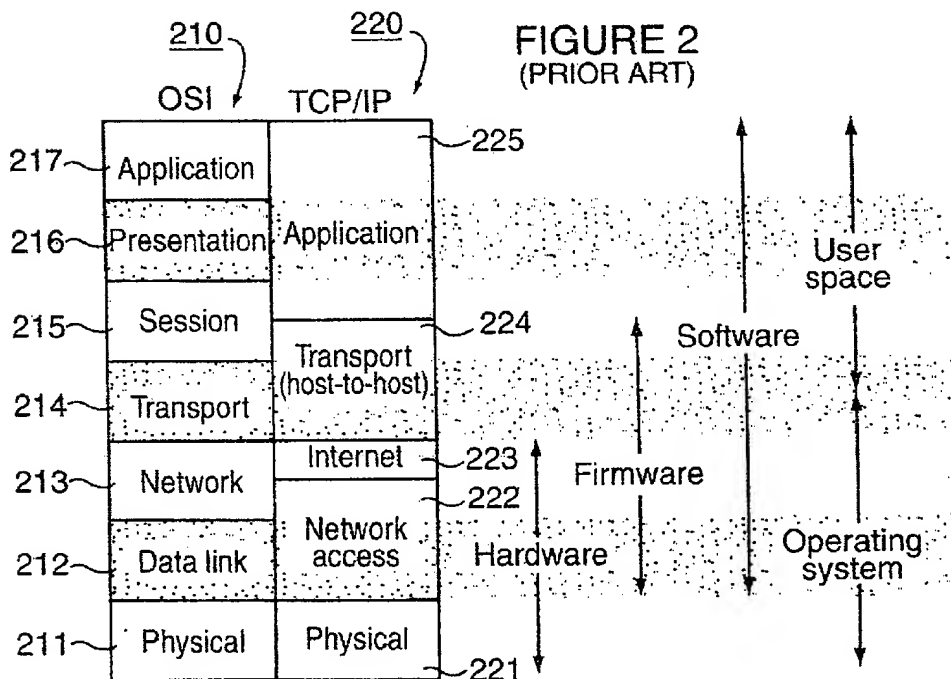
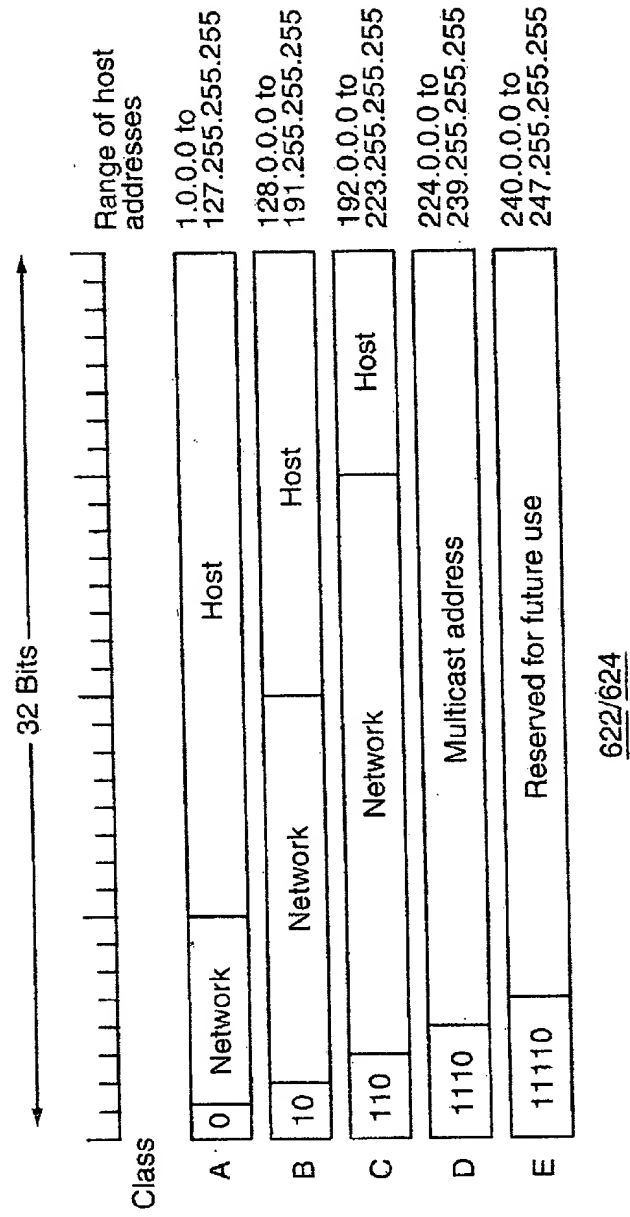
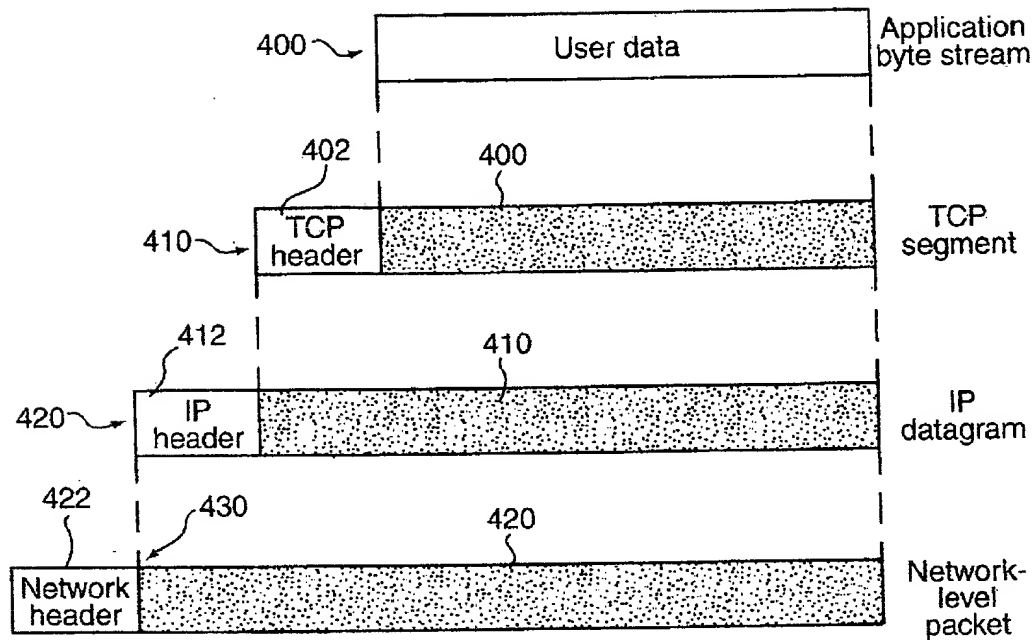


FIGURE 2  
(PRIOR ART)

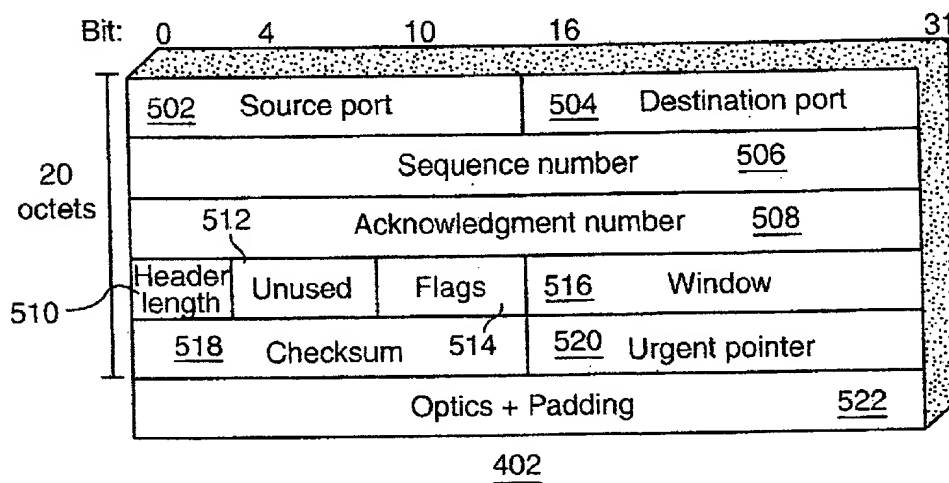


**FIGURE 3**  
(PRIOR ART)





**FIGURE 4**  
(PRIOR ART)



**FIGURE 5**  
(PRIOR ART)

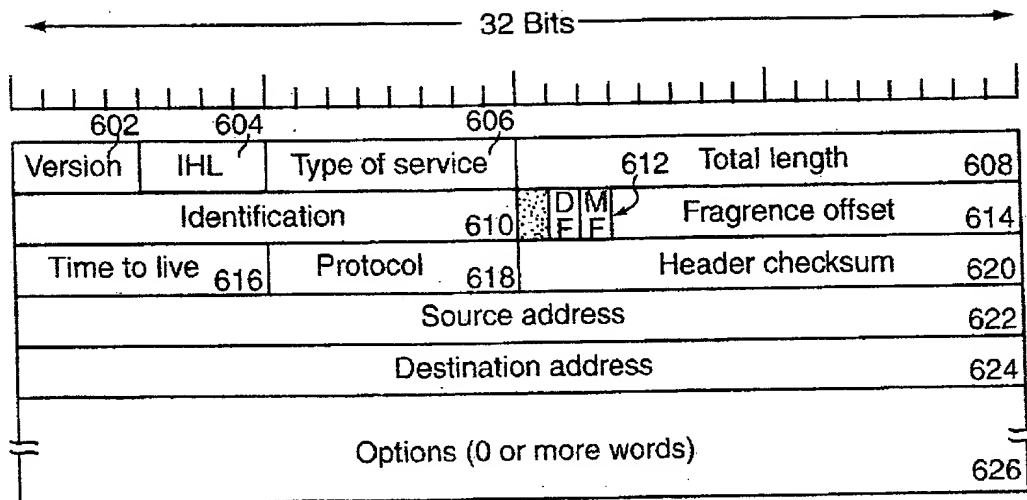


FIGURE 6A  
(PRIOR ART)

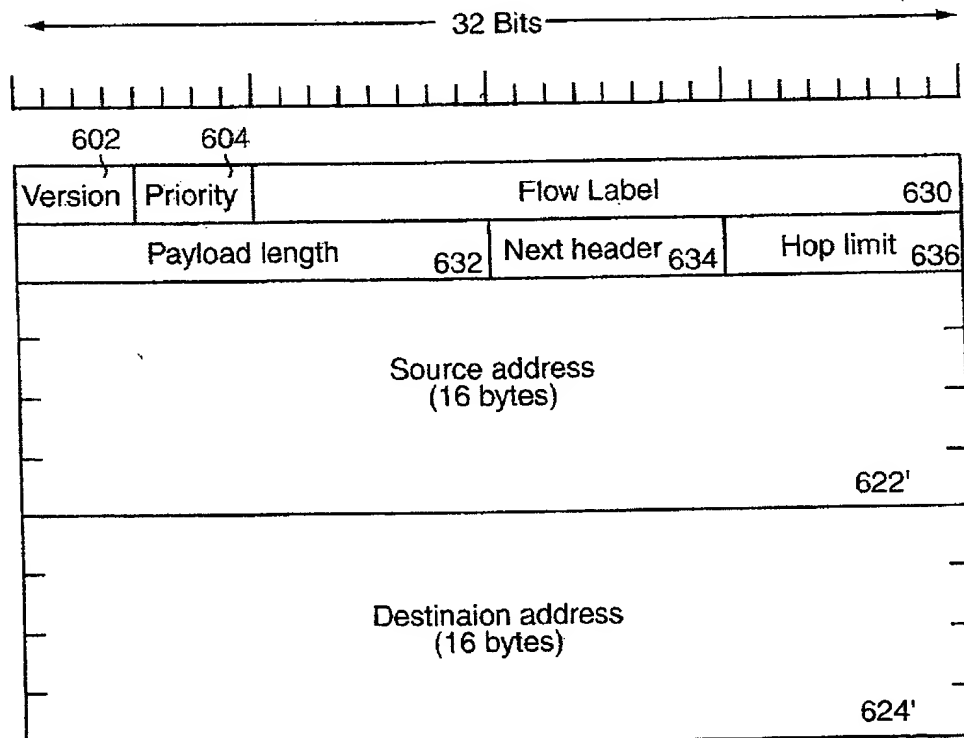


FIGURE 6B  
(PRIOR ART)

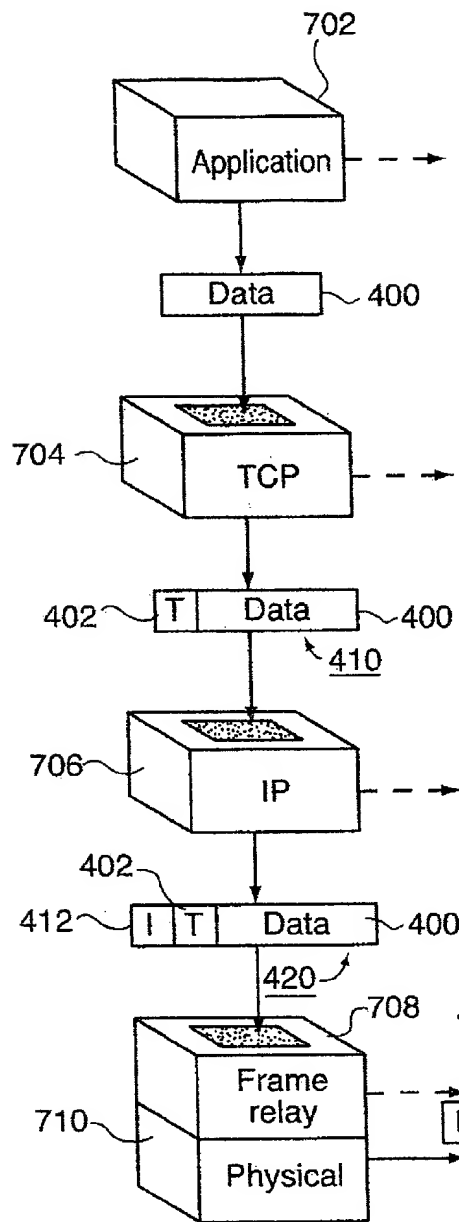


FIGURE 7

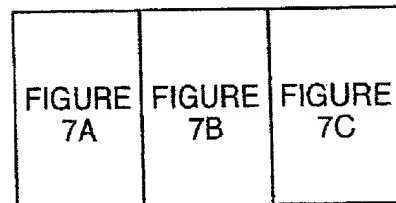


FIGURE 7A  
(PRIOR ART)

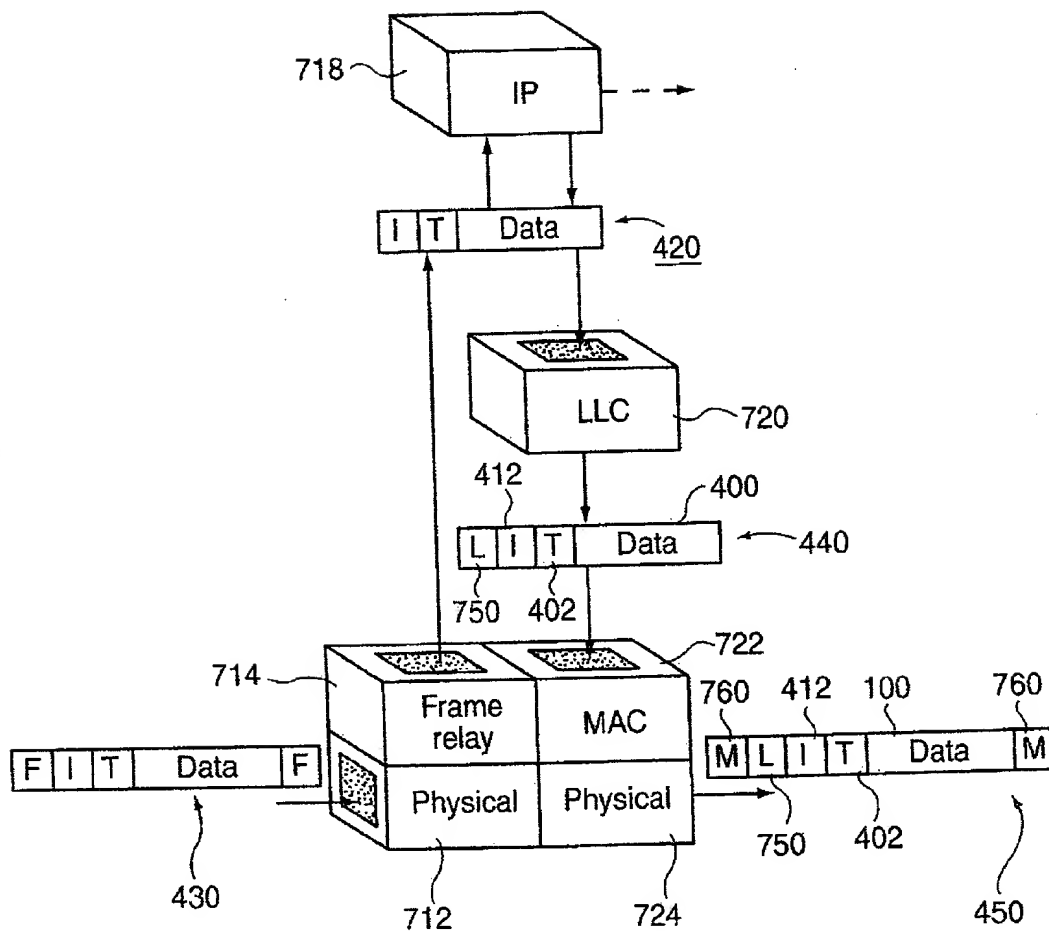
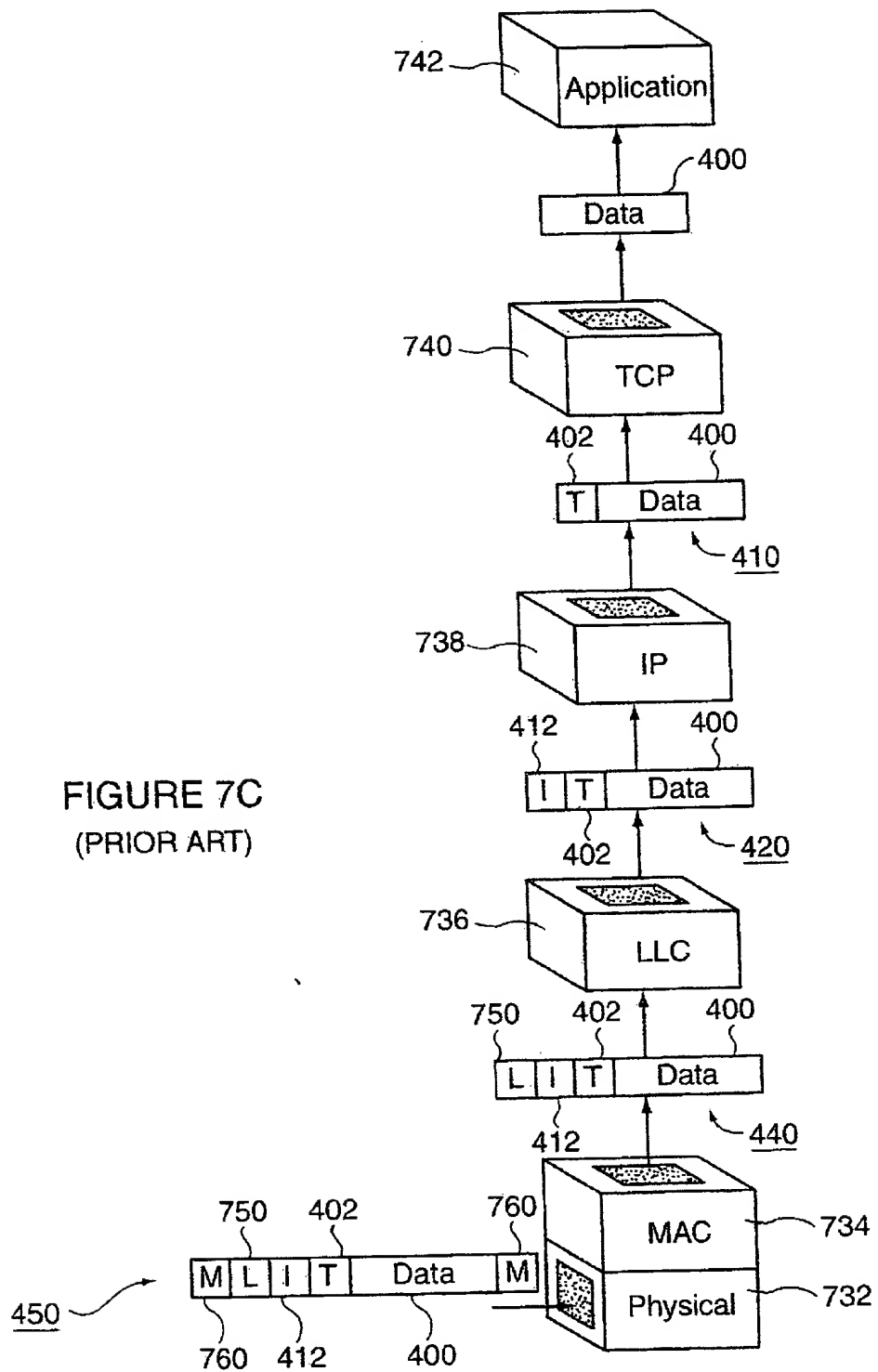


FIGURE 7B

FIGURE 7C  
(PRIOR ART)



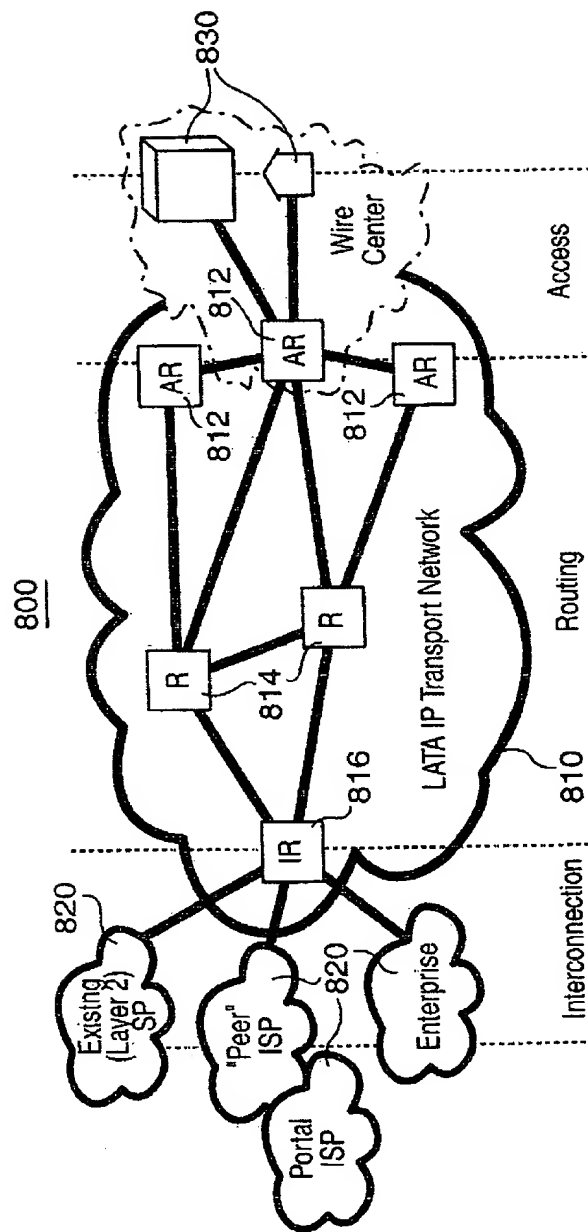


FIGURE 8



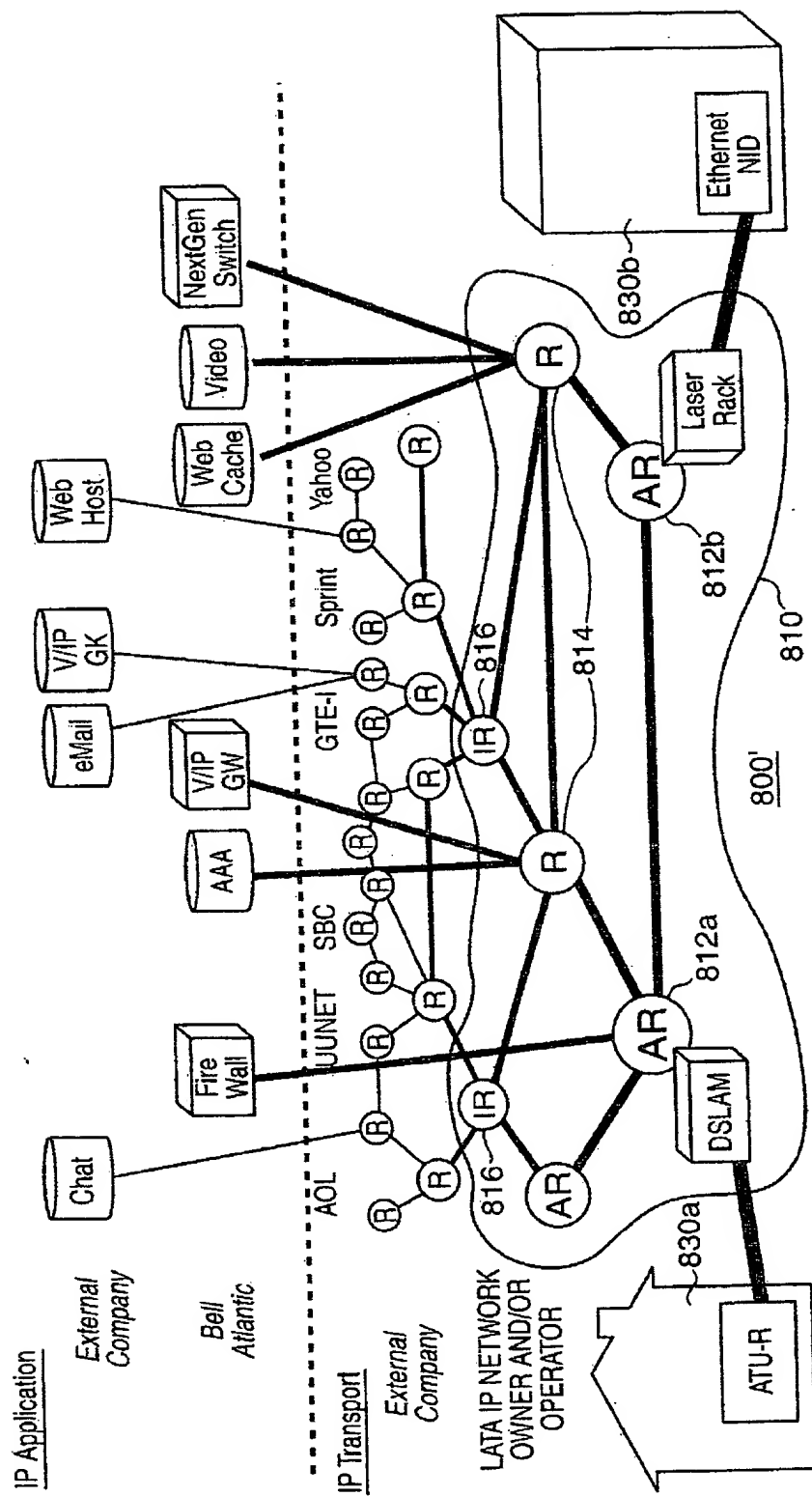
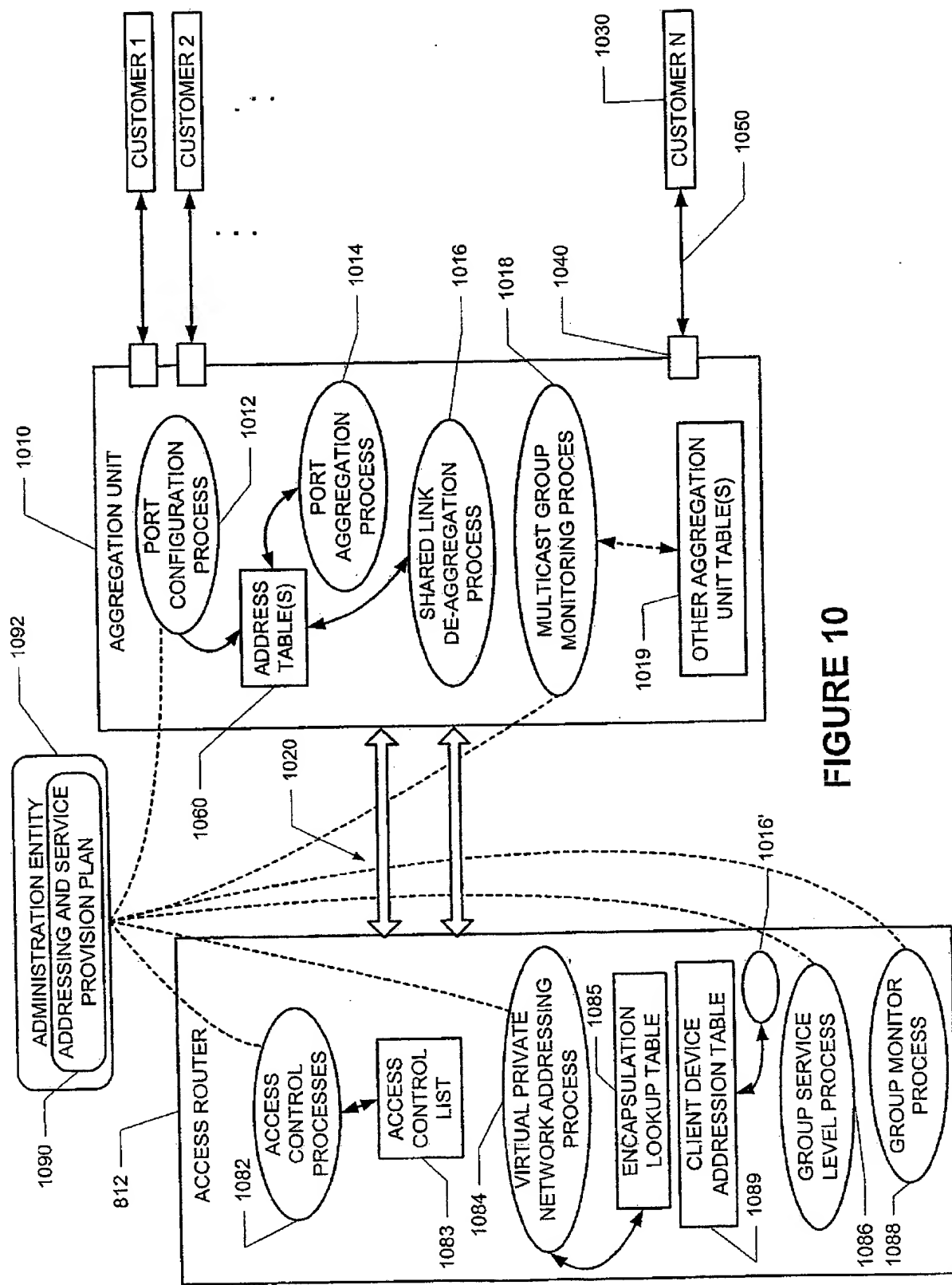


FIGURE 9



**FIGURE 10**

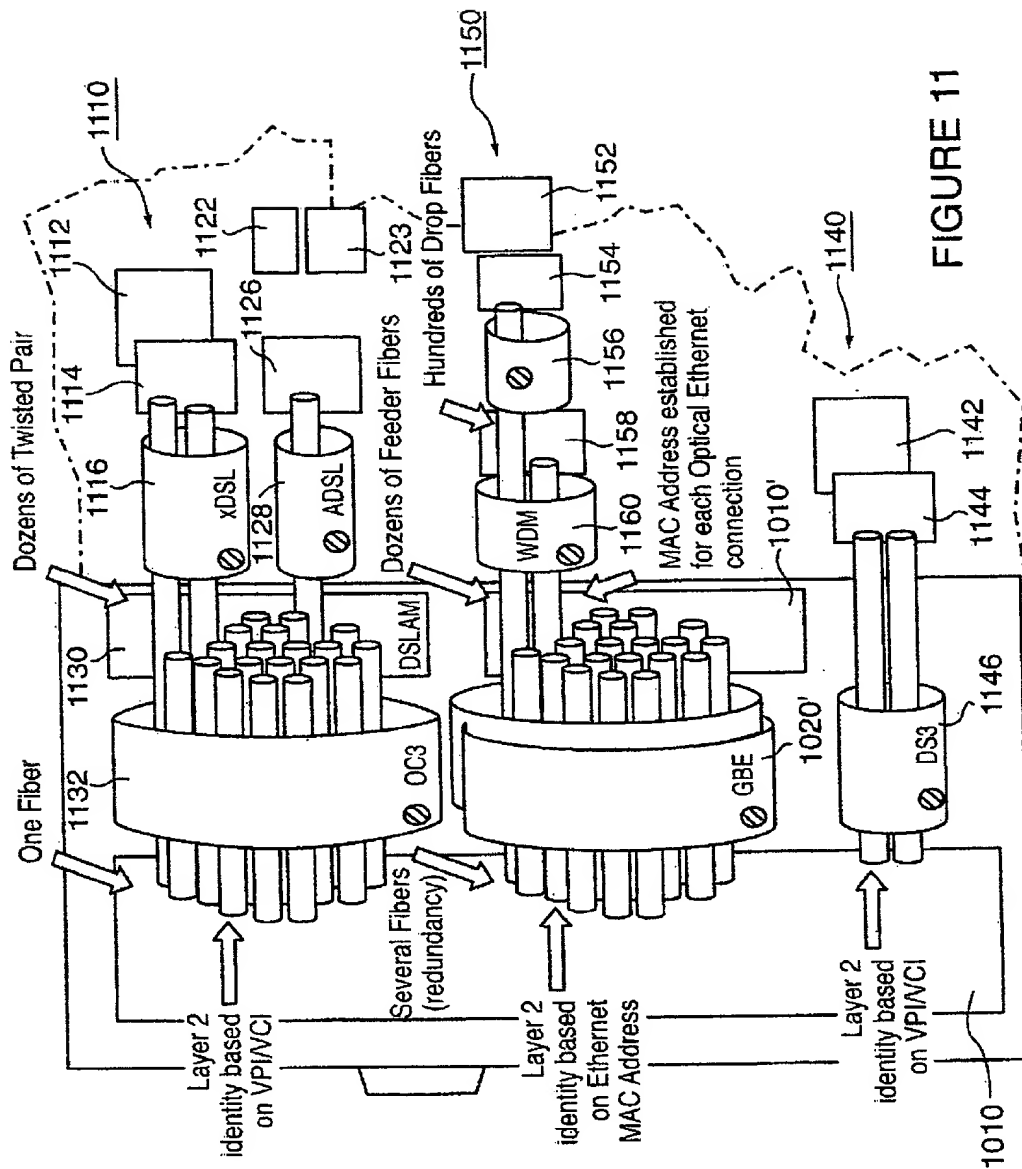
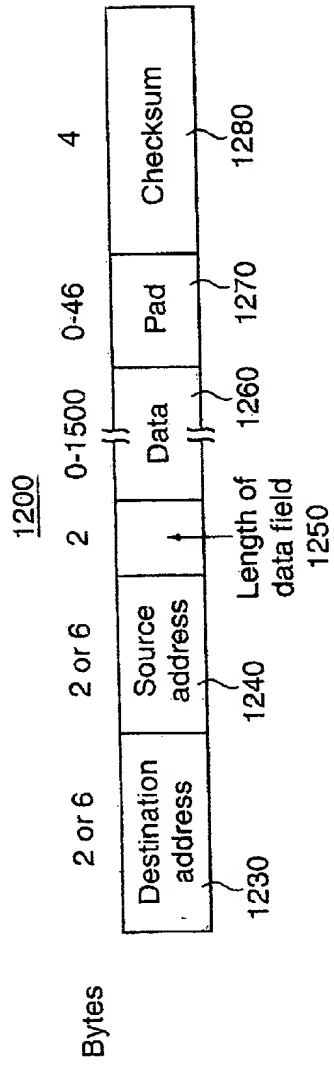


FIGURE 11

FIGURE 12



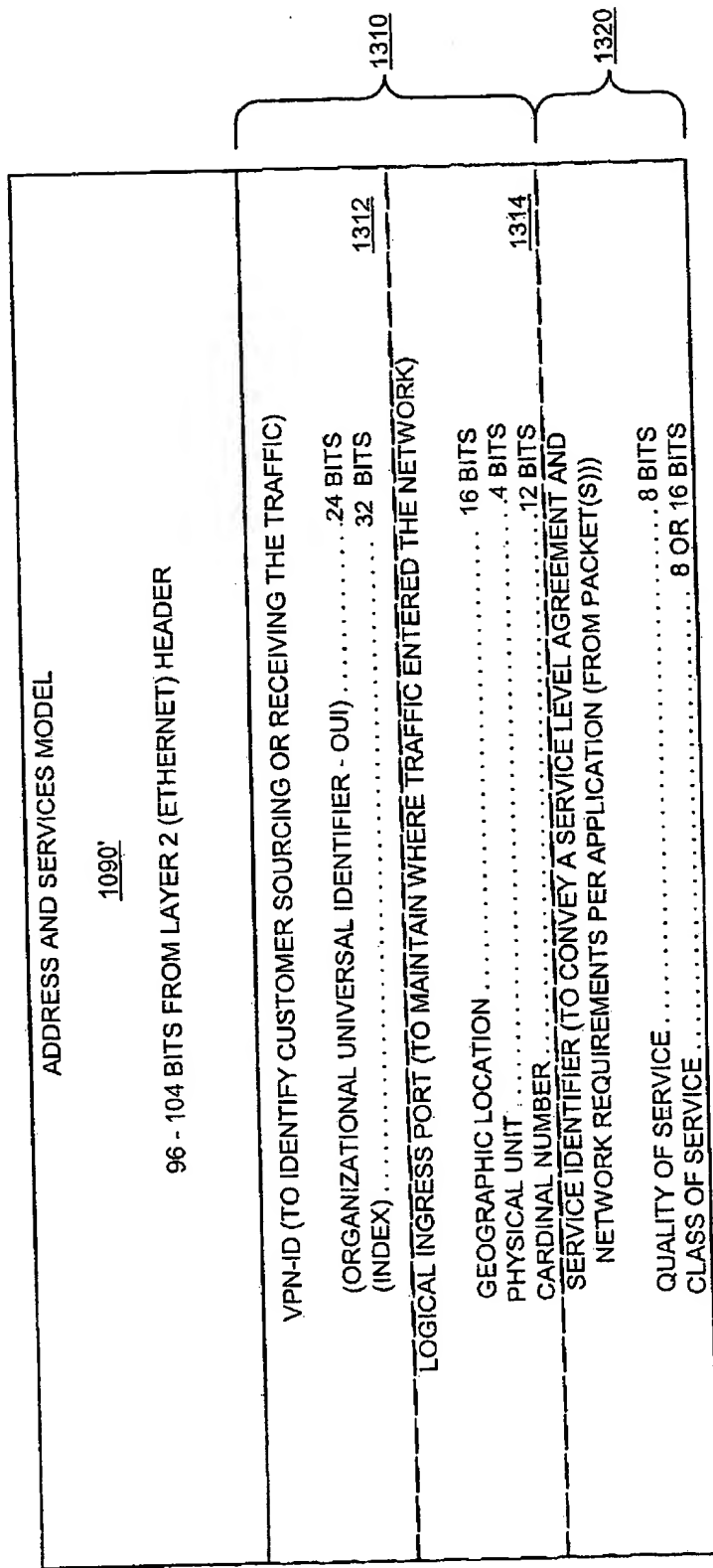


FIGURE 13

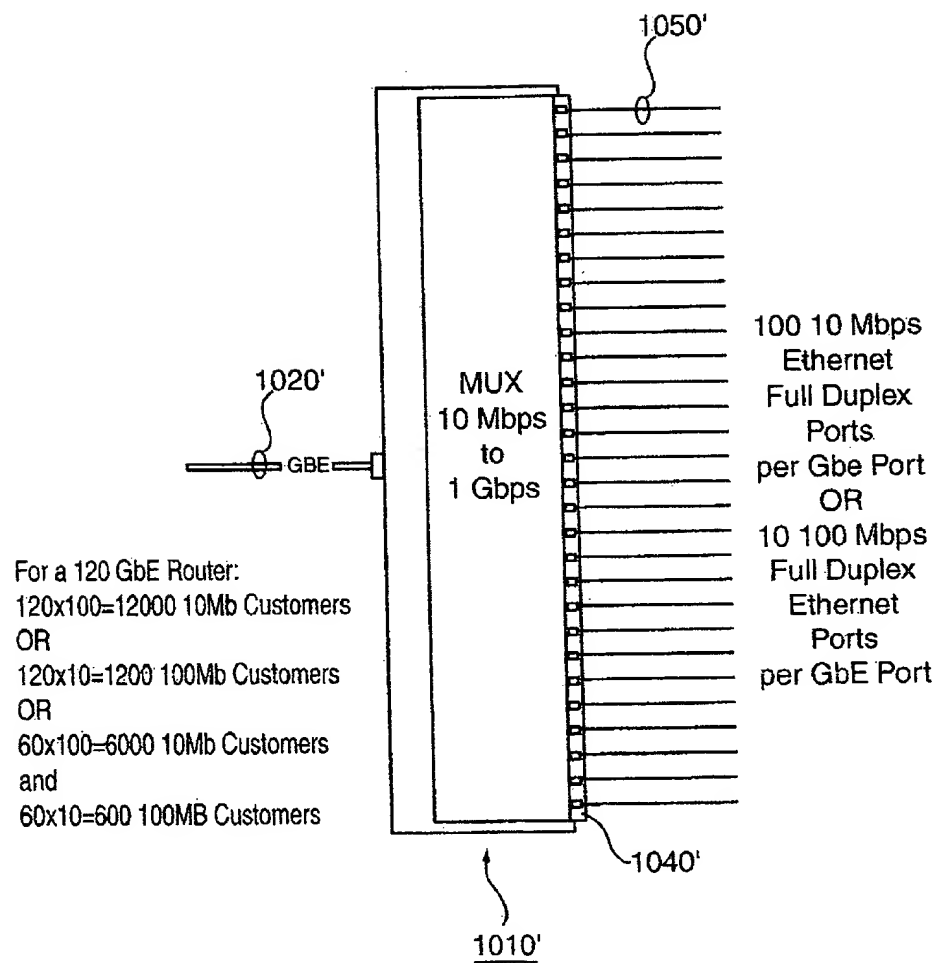
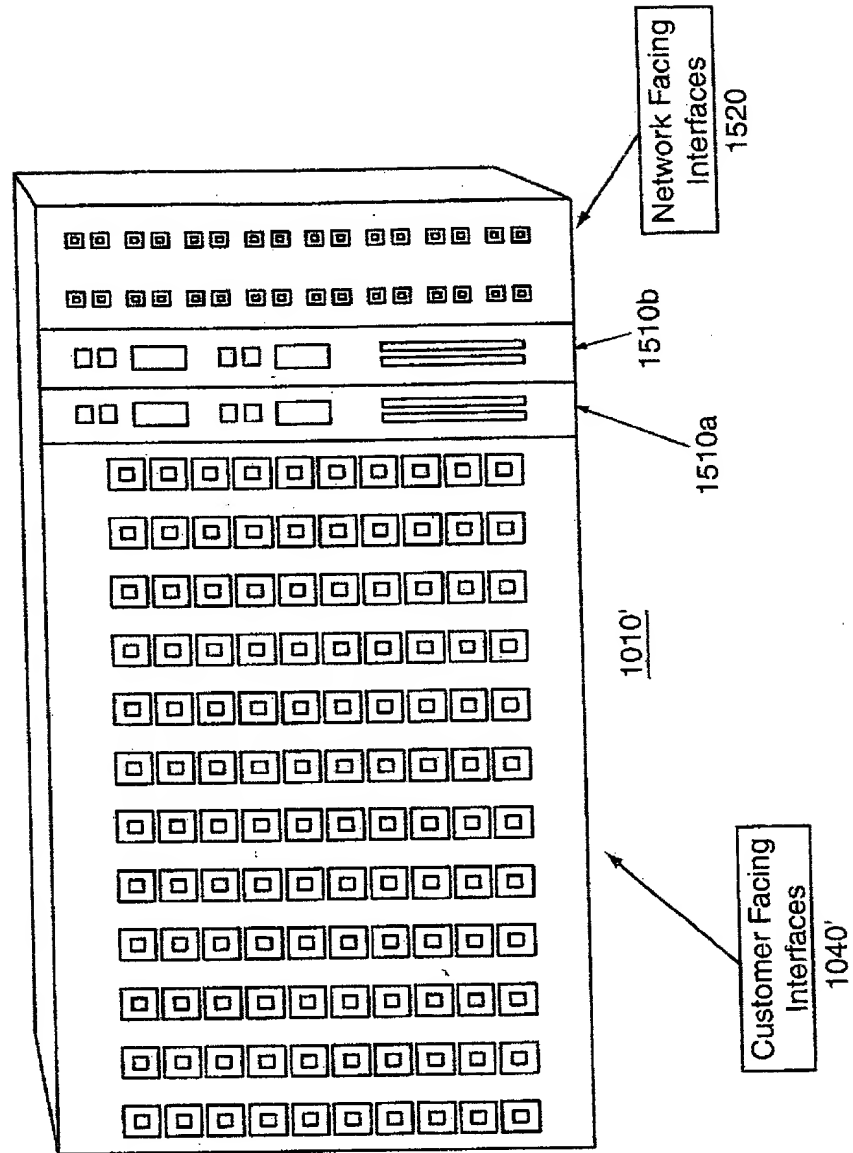


FIGURE 14

FIGURE 15



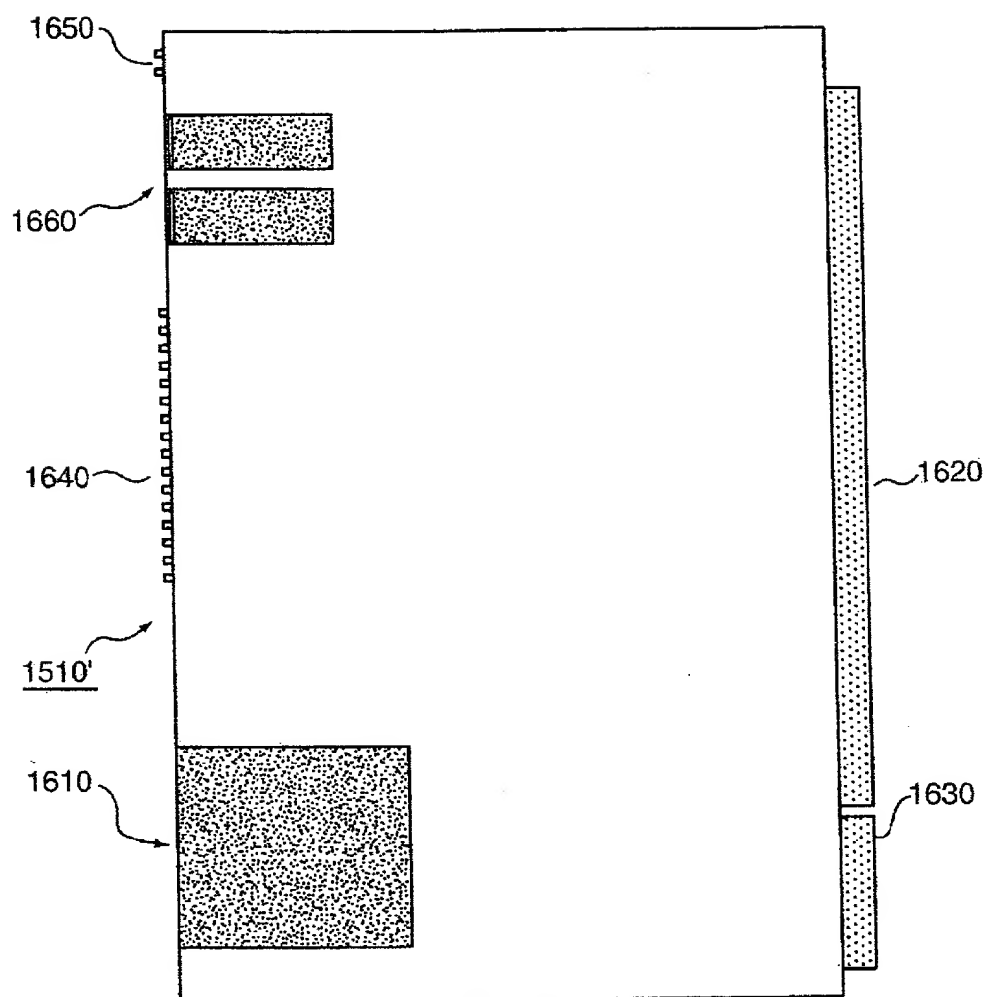


FIGURE 16



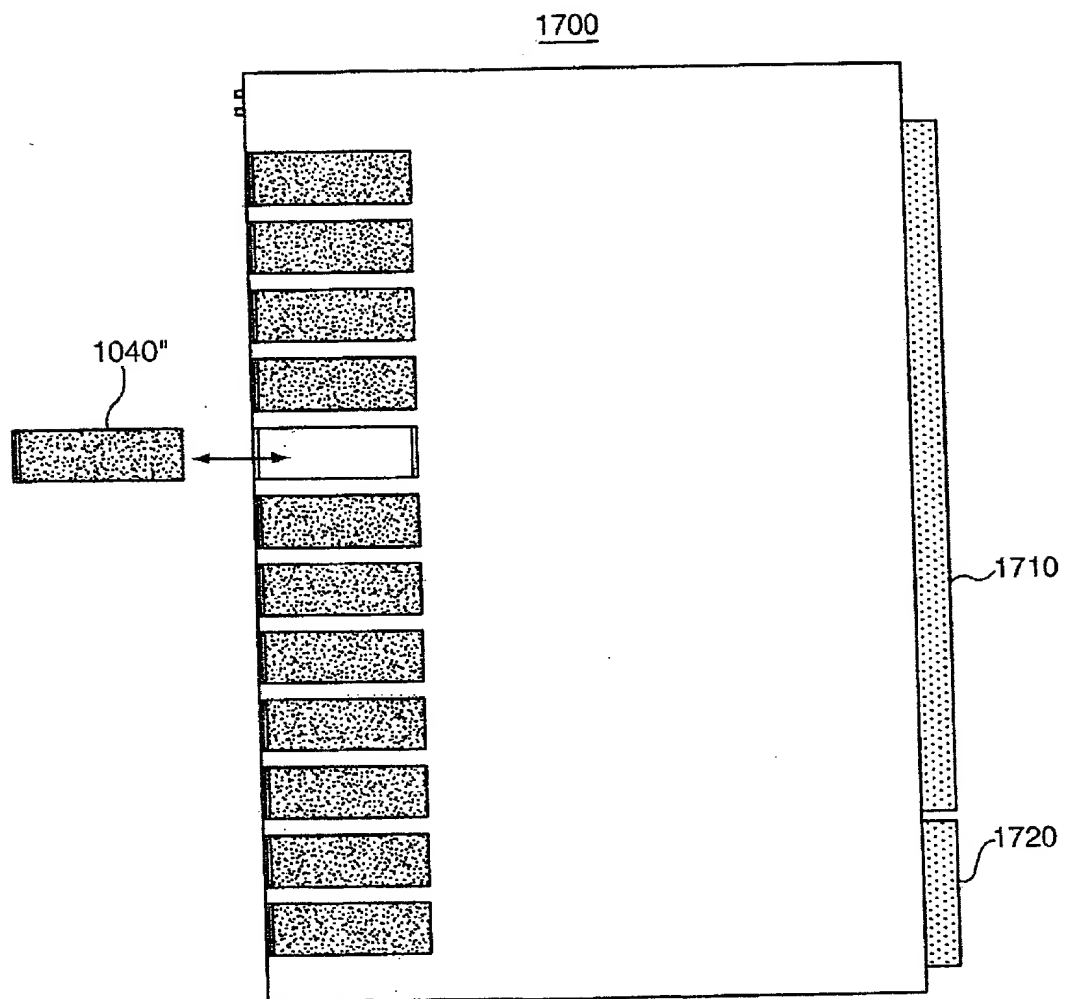


FIGURE 17

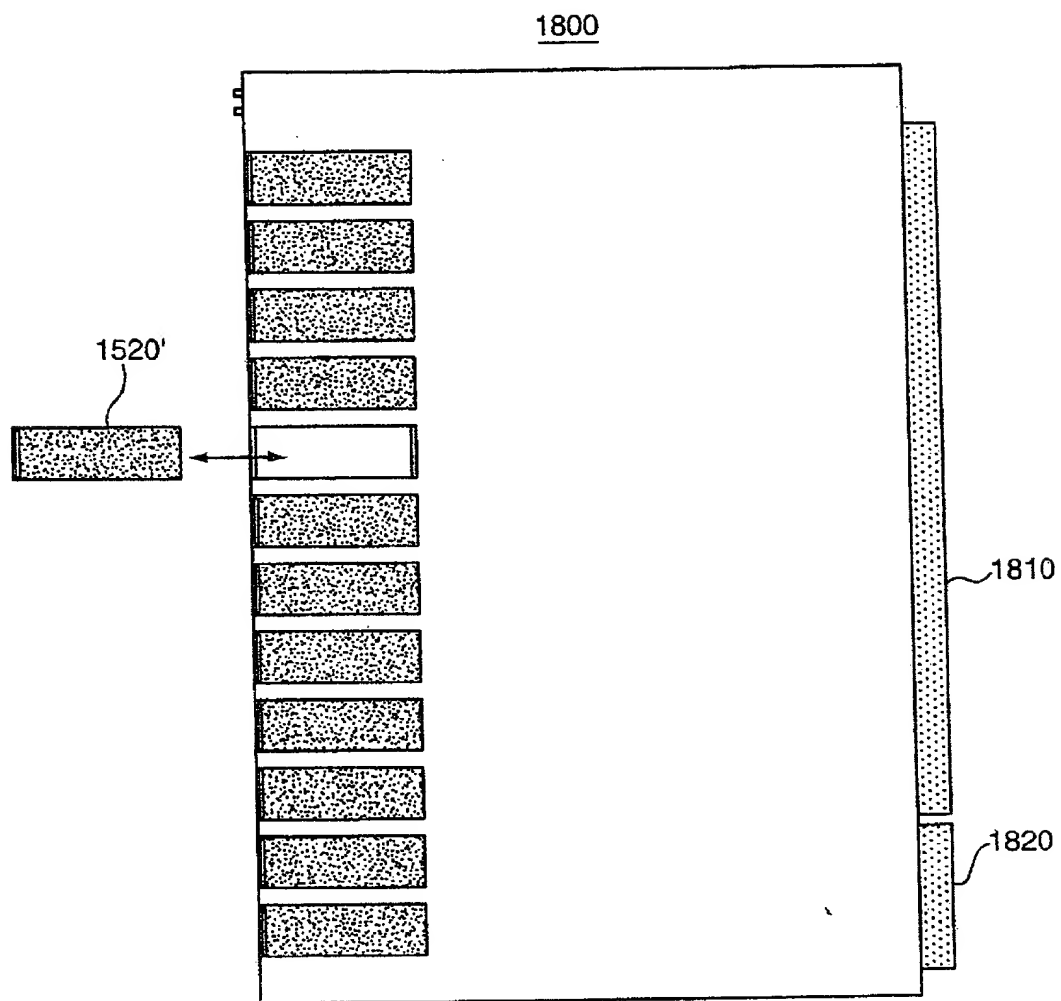
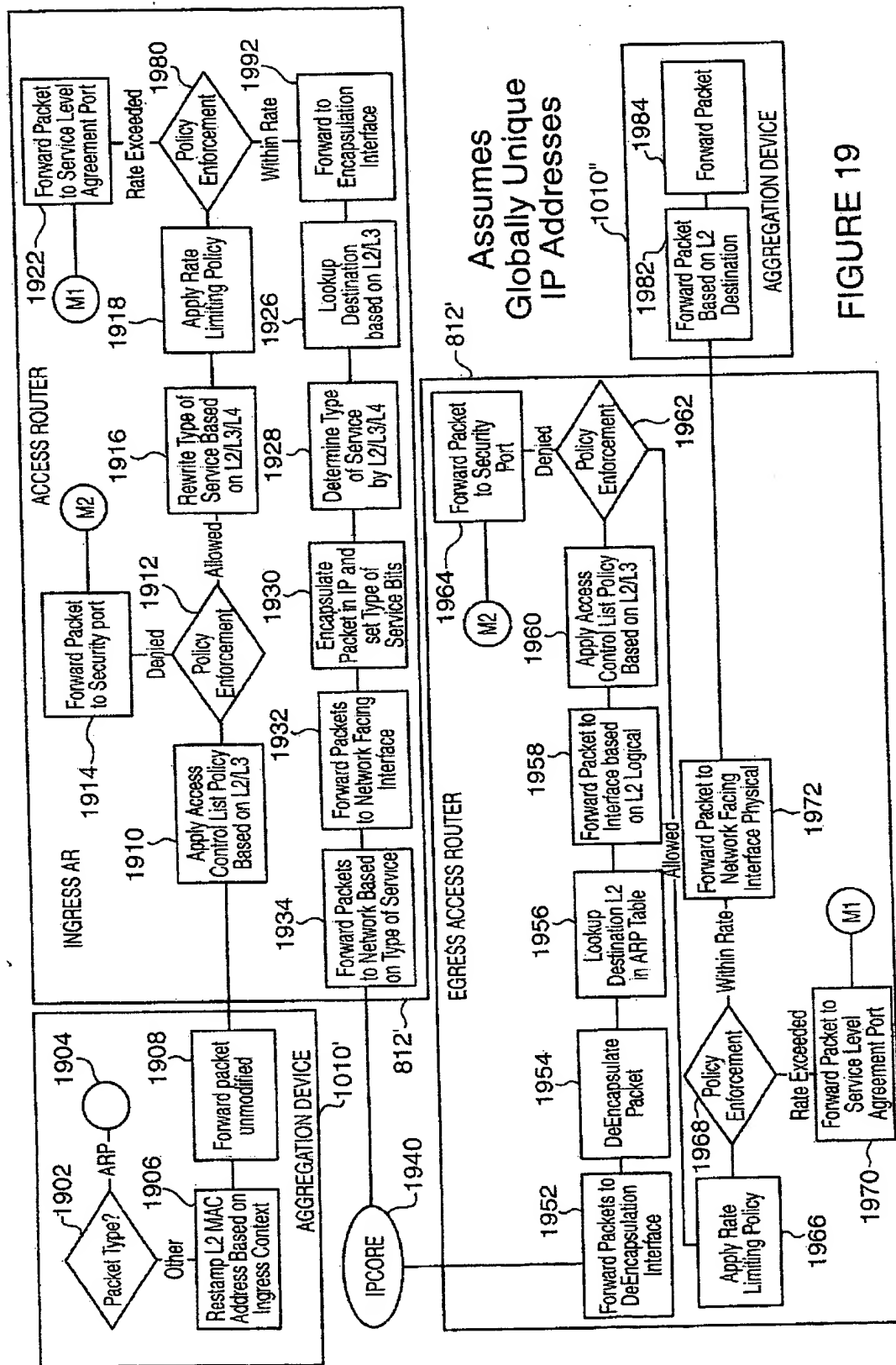
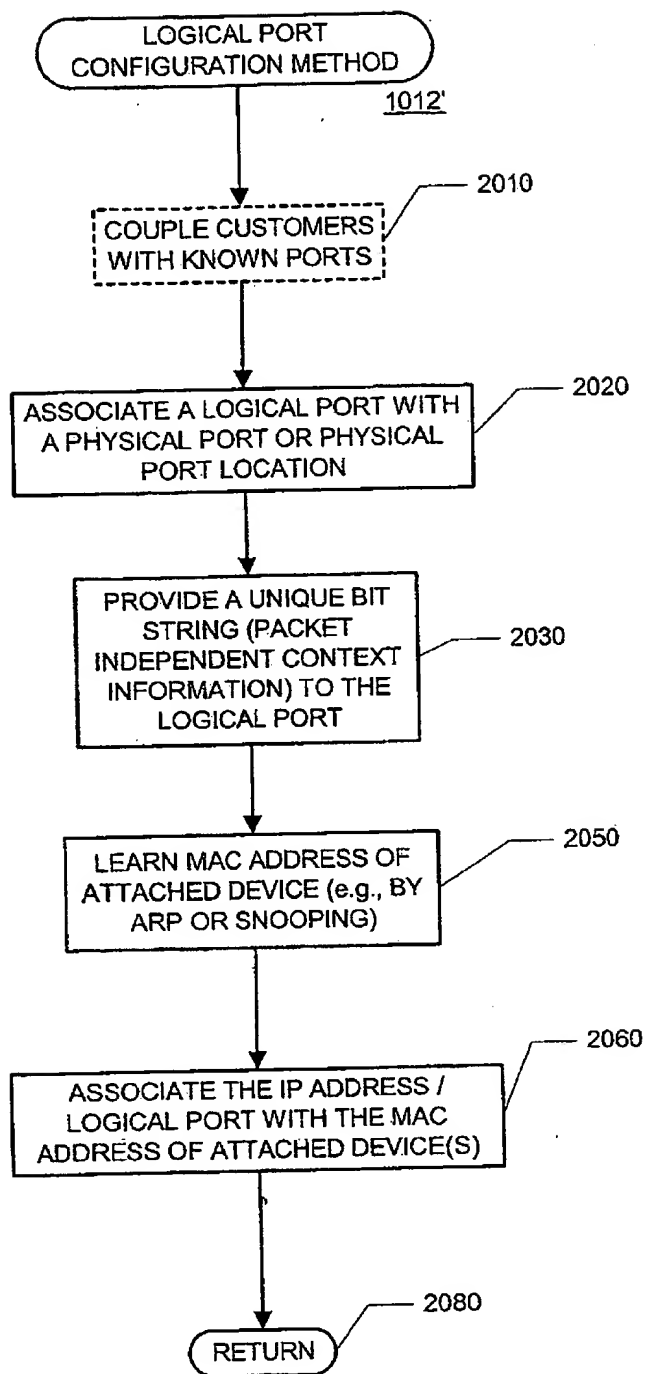
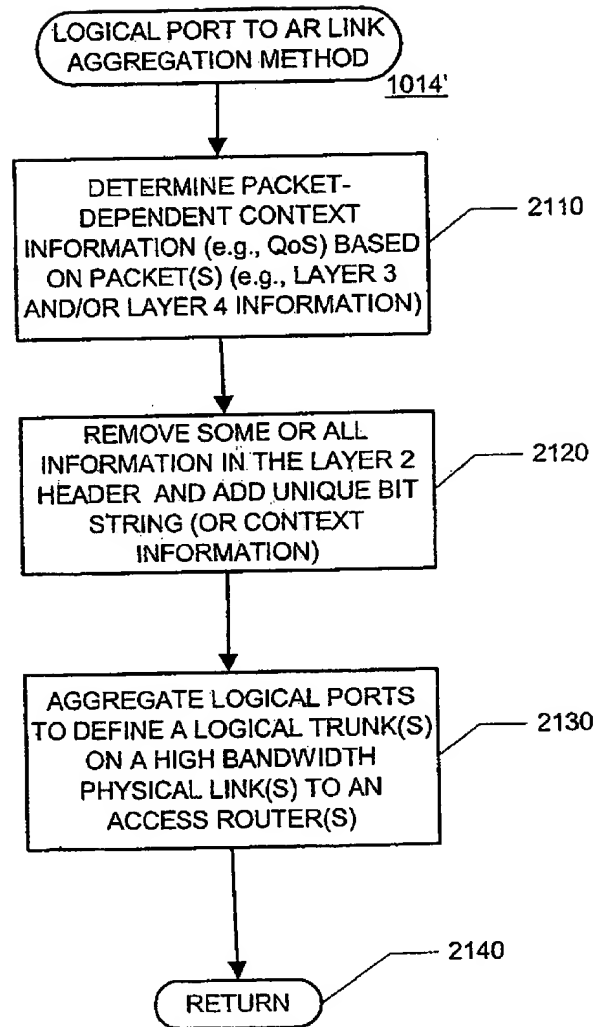


FIGURE 18

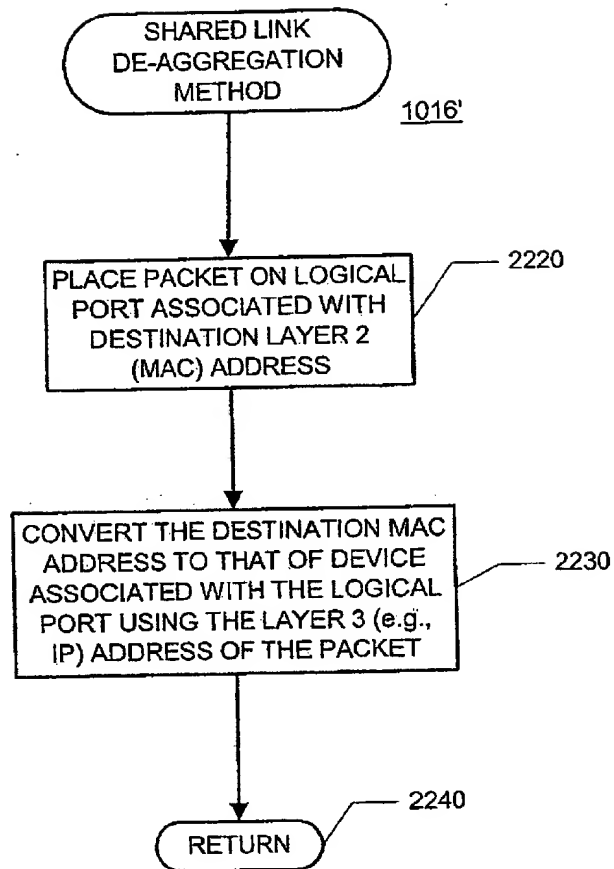




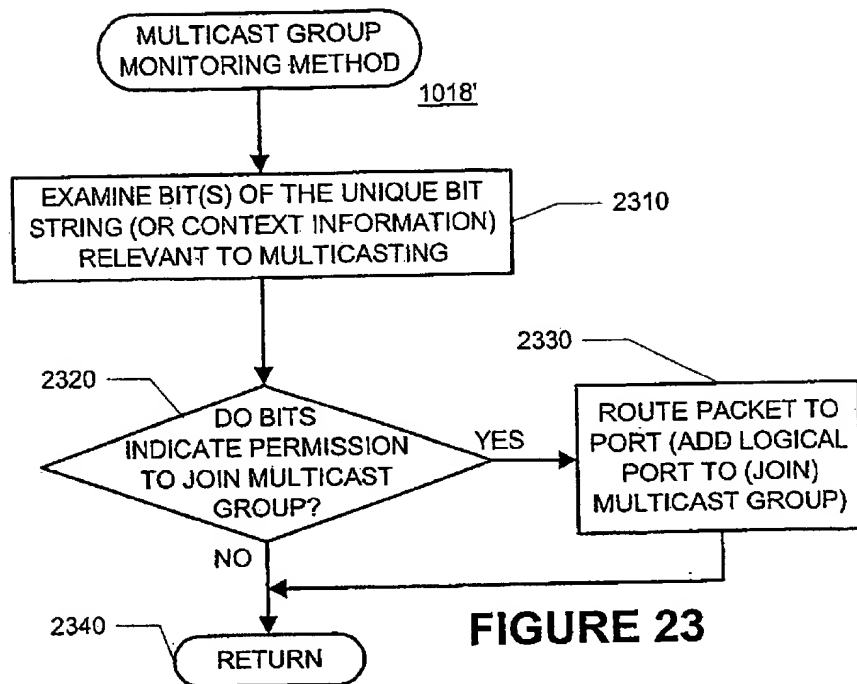
**FIGURE 20**



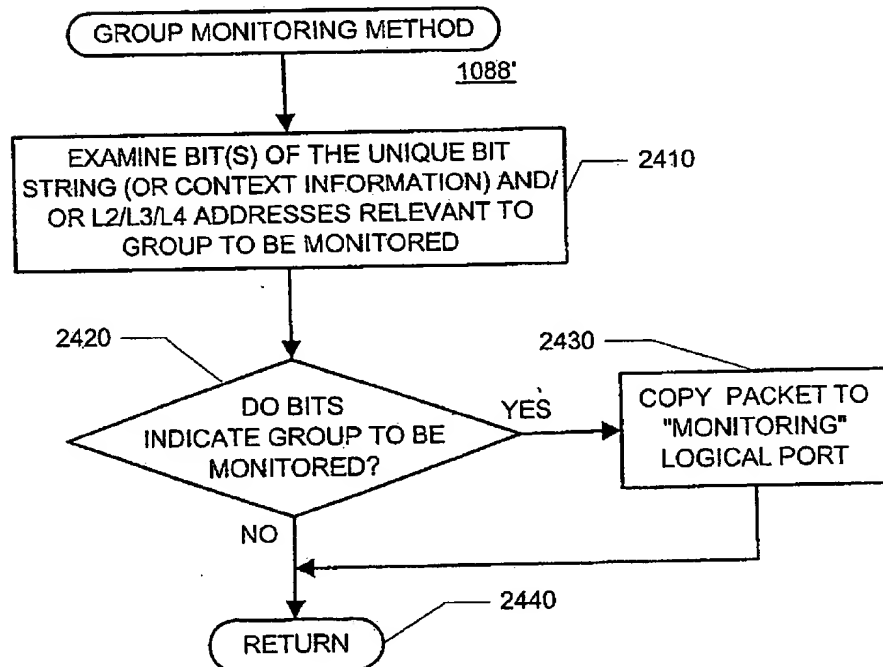
**FIGURE 21**



**FIGURE 22**



**FIGURE 23**

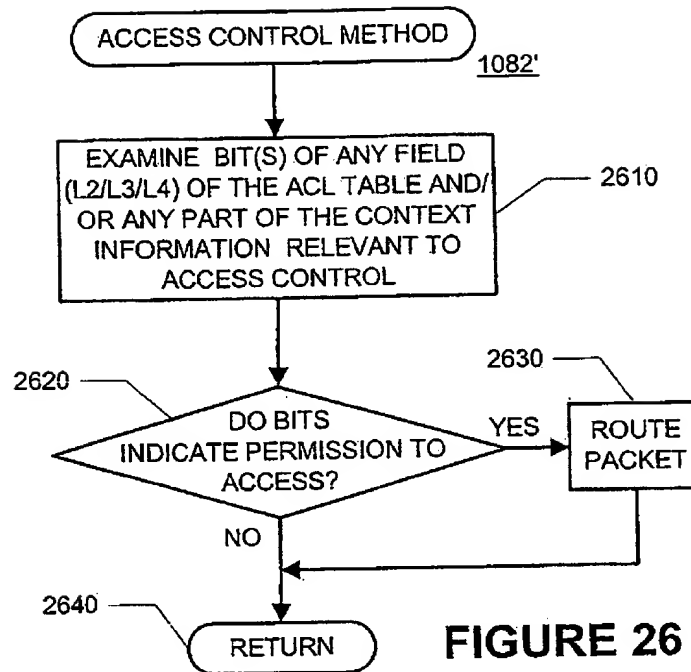


**FIGURE 24**

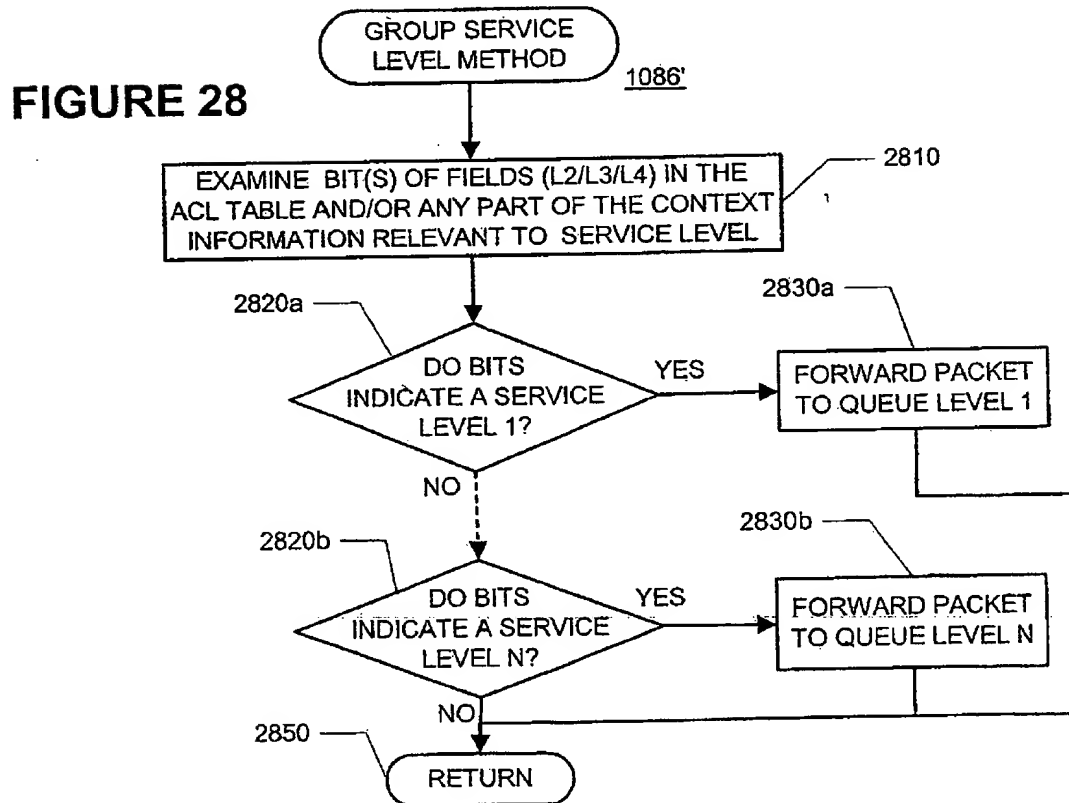
| Layer 2/3 Access Control                        |                             |                                  |        |
|---|-----------------------------|----------------------------------|--------|
| 2510  | 2520                        | 2530                             | 2540   |
| Context<br>(3225, 3230, 3235, 3240, 3245, 3250) | L3 Source Address<br>(3205) | L3 Destination Address<br>(3215) | Action |
| BA Services                                     |                             |                                  |        |
| Service Package #1                              | ANY                         | Service Package #11              | DENY   |
| Service Package #2                              | ANY                         | Service Package #12              | DENY   |
| Service Package #3                              | ANY                         | Service Package #13              | DENY   |
| VRPN-No Internet Access                         |                             |                                  |        |
| Context A                                       | 100.100.100.0/24            | 100.100.101.0/24                 | PERMIT |
| Context A                                       | 100.100.100.0/24            | 200.200.201.0/24                 | PERMIT |
| Context A                                       | 100.100.100.0/24            | 205.205.205.0/24                 | PERMIT |
| Context A                                       | ANY                         | ANY                              | DENY   |
| VRPN-With Internet Access                       |                             |                                  |        |
| Context B                                       | 150.000.100.0/24            | 150.100.200.0/24                 | PERMIT |
| Context B                                       | 150.000.100.0/24            | 150.100.210.0/24                 | PERMIT |
| Context B                                       | 150.000.100.0/24            | 150.100.220.0/24                 | PERMIT |
| VRPN Internet Access                            |                             |                                  |        |
| Context B                                       | 900.900.900.0/24            | ANY                              | PERMIT |
| Internet Access                                 |                             |                                  |        |
| Context C                                       | BA Address Space            | ANY                              | PERMIT |
| Default Deny                                    |                             |                                  |        |
| ANY   | ANY                         | ANY                              | DENY   |
|   |                             |                                  |        |

FIGURE 25



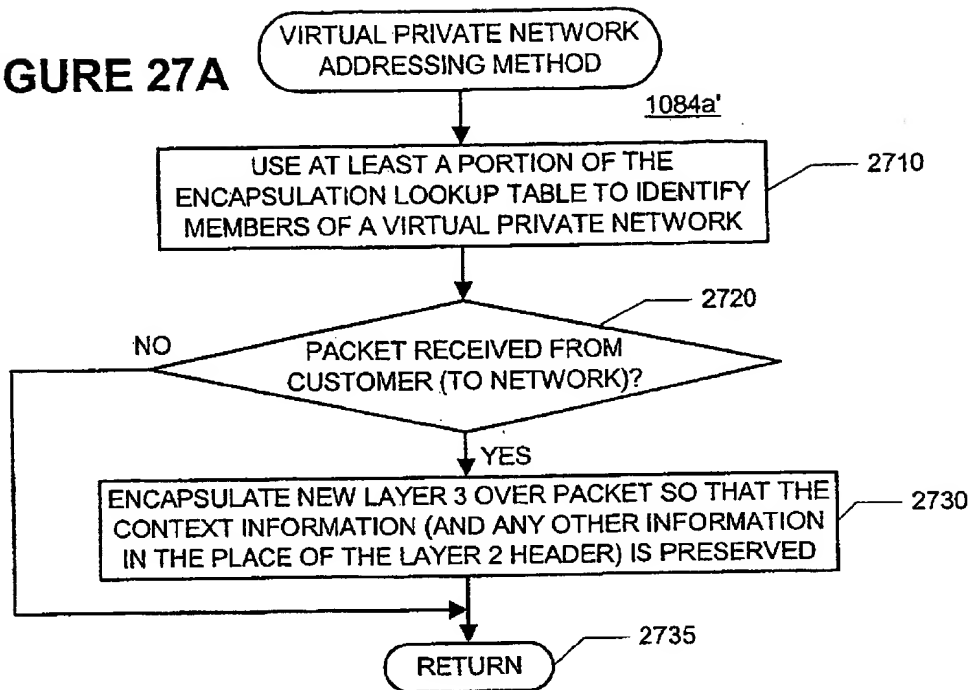


**FIGURE 26**

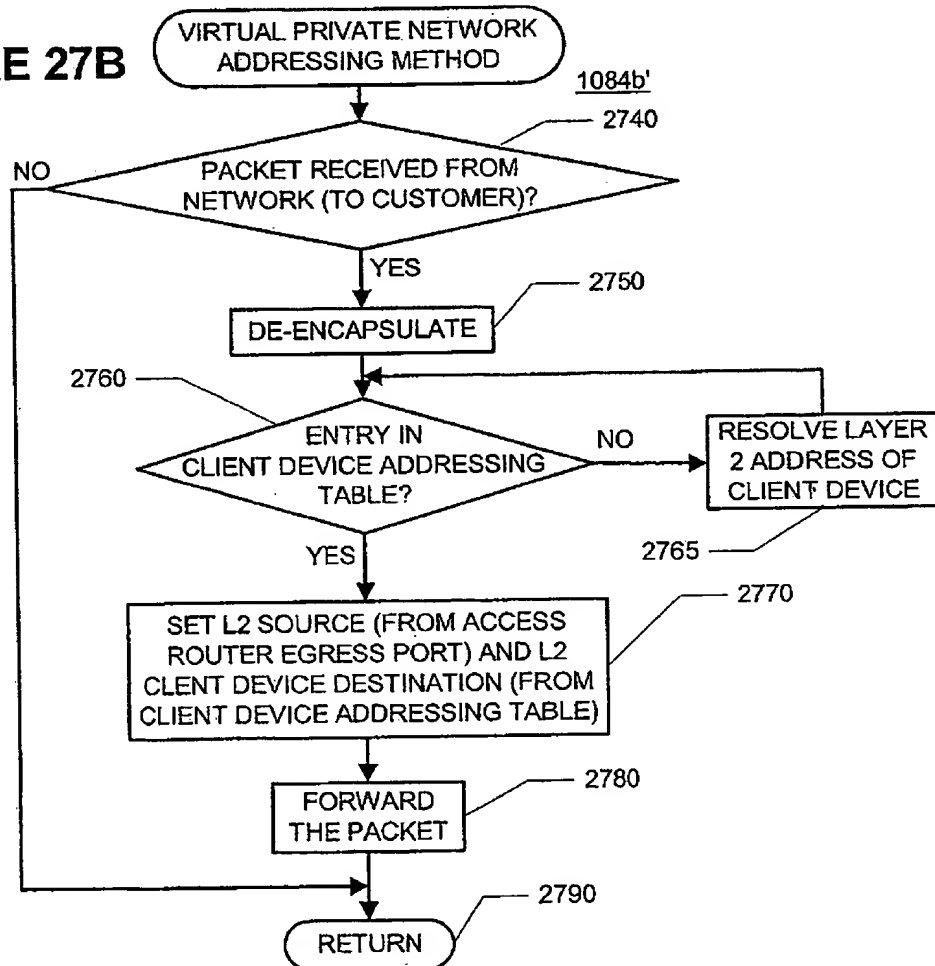


**FIGURE 28**

**FIGURE 27A**



**FIGURE 27B**



|              |         |           |               |               |                     |             |      |      |      |               |
|--------------|---------|-----------|---------------|---------------|---------------------|-------------|------|------|------|---------------|
| 2910         | 2920    | 2930      | 2940          | 2950          | 2960                | 2970        | 2982 | 2984 | 2988 |               |
| LOGICAL PORT | VPN-OUI | VPN-INDEX | CUSTOMER - ID | SERVICE LEVEL | MULTICAST ACL GROUP | QoS PROFILE | VPI  | VCI  | PVC  | ETHERNET PORT |
| .            | .       | .         | .             | .             | .                   | .           | .    | .    | .    | .             |
| .            | .       | .         | .             | .             | .                   | .           | .    | .    | .    | .             |
| .            | .       | .         | .             | .             | .                   | .           | .    | .    | .    | .             |

**FIGURE 29**

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|              |                 |            |             |                    |
|--------------|-----------------|------------|-------------|--------------------|
| 3010         | 3020            | 3030       | 3040        | 3050               |
| LOGICAL PORT | AGG MAC ADDRESS | IP ADDRESS | SUBNET MASK | CLIENT MAC ADDRESS |
| .            | .               | .          | .           | .                  |
| .            | .               | .          | .           | .                  |
| .            | .               | .          | .           | .                  |

**FIGURE 30**

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|                     |                   |             |         |           |
|---------------------|-------------------|-------------|---------|-----------|
| 3110                | 3120              | 3130        | 3140    | 3150      |
| MULTICAST ACL GROUP | MULTICAST ADDRESS | SUBNET MASK | VPN-OUI | VPN-INDEX |
| .                   | .                 | .           | .       | .         |
| .                   | .                 | .           | .       | .         |
| .                   | .                 | .           | .       | .         |

**FIGURE 31**

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